## MAR 2 6 2004 ST

## SEQUENCE LISTING

Rybak, Susanna M. Newton, Dianne L.

The Government of the United States of America as represented by The Secretary of the Department of Health and Human Services

- <120> Selective Toxicity of Amino-Terminal Modified RNAse A Superfamily Polypeptides
- <130> 015280-371100US
- <140> US 09/807,556
- <141> 2001-07-30
- <150> US 60/106,732
- <151> 1998-11-02
- <150> WO PCT/US99/25737
- <151> 1999-11-01
- <160> 25
- <170> PatentIn Ver. 2.1
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- cag gtt atc aac aac tac cag cgt cgt tgc aaa aac cag aac act ttc 144
  Gln Val Ile Asn Asn Tyr Gln Arg Arg Cys Lys Asn Gln Asn Thr Phe
  35 40 45
- ctg ctg act act ttc gct aac gtt gtt aac gtt tgc ggt aac ccg aac 192 Leu Leu Thr Thr Phe Ala Asn Val Val Asn Val Cys Gly Asn Pro Asn 50 55 60
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tct cag gtt cc Ser Gln Val Pr													
aac atc tct aa Asn Ile Ser As 10	n Cys Arg Ty												
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Gln Val Ile As	n Asn Tyr Gl	n Arg Arg ( 40	Cys Lys Asn	Gln Asn Thr 45 .	Phe								
Leu Leu Thr Th 50		n Val Val <i>i</i> 5	Asn Val Cys 60	Gly Asn Pro	Asn								
Met Thr Cys Pr 65	o Ser Asn Ly 70	s Thr Arg	Lys Asn Cys 75	His His Ser	Gly 80								
Ser Gln Val Pr	o Leu Ile Hi 85	s Cys Asn 1	Leu Thr Thr 90	Pro Ser Pro 95	Gln								
Asn Ile Ser As		r Ala Gln 1	Thr Pro Ala	Asn Met Phe 110	Tyr								
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atg cag gtt atc aac aac tac cag cgt cgt tgc aaa aac cag aac act Met Gln Val Ile Asn Asn Tyr Gln Arg Arg Cys Lys Asn Gln Asn Thr 35 40 45	144												
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aac atg act tgc ccg tct aac aaa act cgt aaa aac tgc cat cat tct Asn Met Thr Cys Pro Ser Asn Lys Thr Arg Lys Asn Cys His His Ser 65 70 75 80	240												
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cag aac atc tct aac tgc cgt tac gct cag act ccg gct aac atg ttc Gln Asn Ile Ser Asn Cys Arg Tyr Ala Gln Thr Pro Ala Asn Met Phe 100 105 110	336												
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Tyr	Ile	Val 115	Ala	Cys	Asp	Asn	Arg 120	Asp	Gln	Arg	Arg	Asp 125	Pro	Pro	Gln	
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Tyr Gl	n Arg 35	Arg	Cys	Lys	Asn	Gln 40	Asn	Thr	Phe	Leu	Leu 45	Thr	Thr	Phe	
Ala As	n Val 0	Val	Asn	Val	Cys 55	Gly	Asn	Pro	Asn	Met 60	Thr	Cys	Pro	Ser	
Asn Ly 65	s Thr	Arg	Lys	Asn 70	Cys	His	His	Ser	Gly 75	Ser	Gln	Val	Pro	Leu 80	
Ile Hi	s Cys	Asn	Leu 85	Thr	Thr	Pro	Ser	Pro 90	Gln	Asn	Ile	Ser	Asn 95	Cys	
Arg Ty		Gln 100		Pro		Asn			Tyr	Ile		Ala 110		Asp	
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             20
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Gln Cys Lys Arg Val Asn Thr Phe Ile Ile Ser Ser Ala Thr Thr Val  $35 \hspace{1cm} 40 \hspace{1cm} 45$ 

Lys Ala Ile Cys Thr Gly Val Ile Asn Met Asn Val Leu Ser Thr Thr 50 55 60

Arg Phe Gln Leu Asn Thr Cys Thr Arg Thr Ser Ile Thr Pro Arg Pro 65 70 75 80

Cys Pro Tyr Ser Ser Arg Thr Glu Thr Asn Tyr Ile Cys Val Lys Cys 85 90 95

Glu Asn Gln Tyr Pro Val His Phe Ala Gly Ile Gly Arg Cys Pro 100 105 110

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Lys Gly Ile Ile Ala Ser Lys Asn Val Leu Thr Thr Ser Glu Phe Tyr 50 55 60

Leu Ser Asp Cys Asn Val Thr Ser Arg Pro Cys Lys Tyr Lys Leu Lys 65 70 75 80

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Ala Asn Val Val Asn Val Cys Gly Asn Gln Ser Ile Arg Cys Pro His 50 55 60

Asn Arg Thr Leu Asn Asn Cys His Arg Ser Arg Phe Arg Val Pro Leu 65 70 75 80

Leu His Cys Asp Leu Ile Asn Pro Gly Ala Gln Asn Ile Ser Asn Cys
85 90 95

Arg Tyr Ala Asp Arg Pro Gly Arg Arg Phe Tyr Val Val Ala Cys Asp
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Gly Asn Lys Asn Asp Ile Lys Ala Ile Cys Glu Asp Arg Asn Gly Gln 50 55 60

Pro Tyr Arg Gly Asp Leu Arg Ile Ser Lys Ser Glu Phe Gln Ile Thr 65 70 75 80

Ile Cys Lys His Lys Gly Gly Ser Ser Arg Pro Pro Cys Arg Tyr Gly
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35 40 45

Glu Ser Leu Ala Asp Val Lys Ala Val Cys Ser Gln Lys Lys Val Thr 50 55 60

Cys Lys Asn Gly Gln Thr Asn Cys Tyr Gln Ser Lys Ser Thr Met Arg 65 70 75 80

Ile Thr Asp Cys Arg Glu Thr Gly Ser Ser Lys Tyr Pro Asn Cys Ala 85 90 95

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35 40 45

Glu Ser Leu Ala Asp Val Gln Ala Val Cys Ser Gln Lys Asn Val Ala 50 55 60

Cys Lys Asn Gly Gln Thr Asn Cys Tyr Gln Ser Tyr Ser Thr Met Ser 65 70 75 80

Ile Thr Asp Cys Arg Glu Thr Gly Ser Ser Lys Tyr Pro Asn Cys Ala 85 90 95

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